# 2. Disassembly and Reassembly

## 2-1 Cabinet and PCB

### 2-1-1 Ass'y Housing Removal

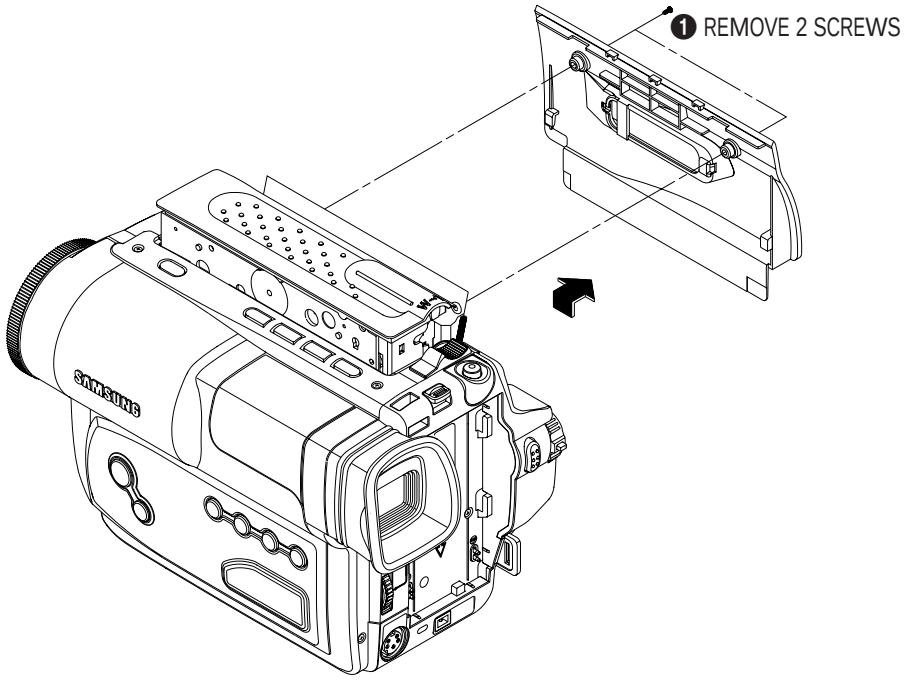


Fig. 2-1 Ass'y Housing Removal

### 2-1-2 Ass'y TOP Removal

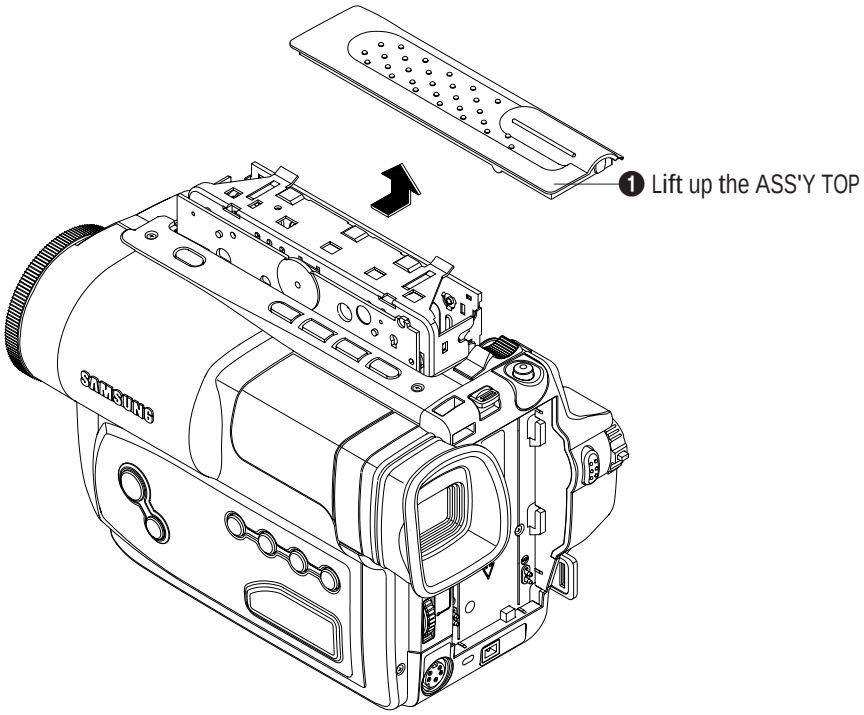


Fig. 2-2 Ass'y TOP Removal

## 2-1-3 Ass'y Front Removal

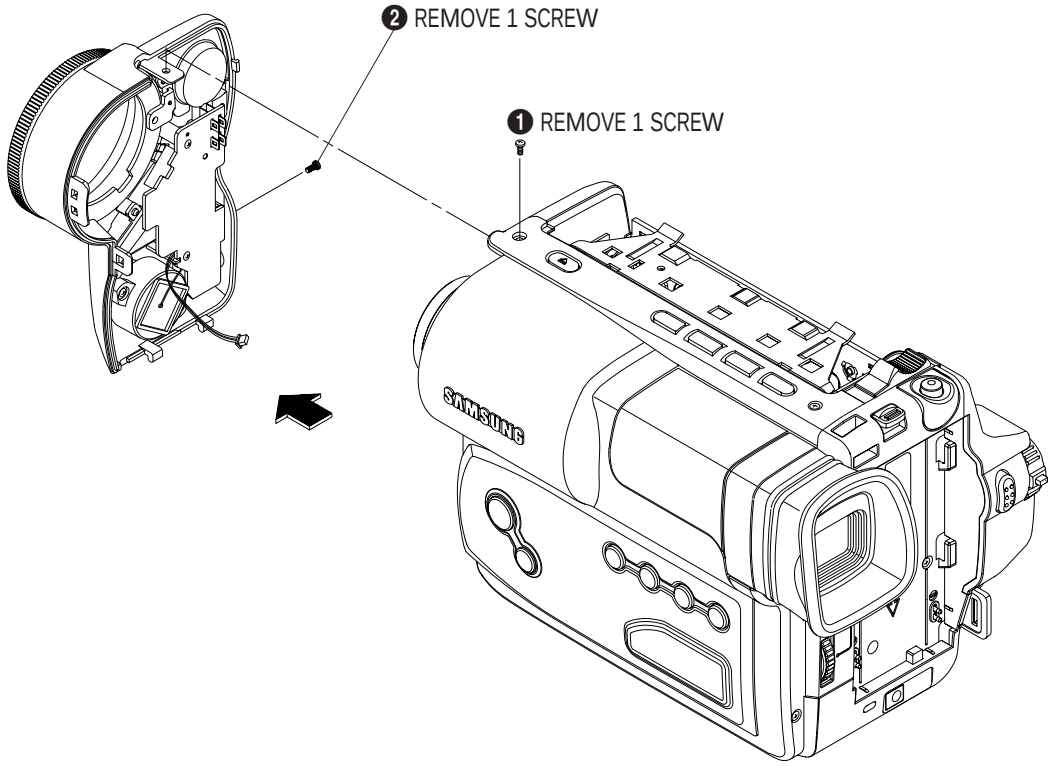


Fig. 2-3 Ass'y Front Removal

## 2-1-4 Ass'y Right Removal

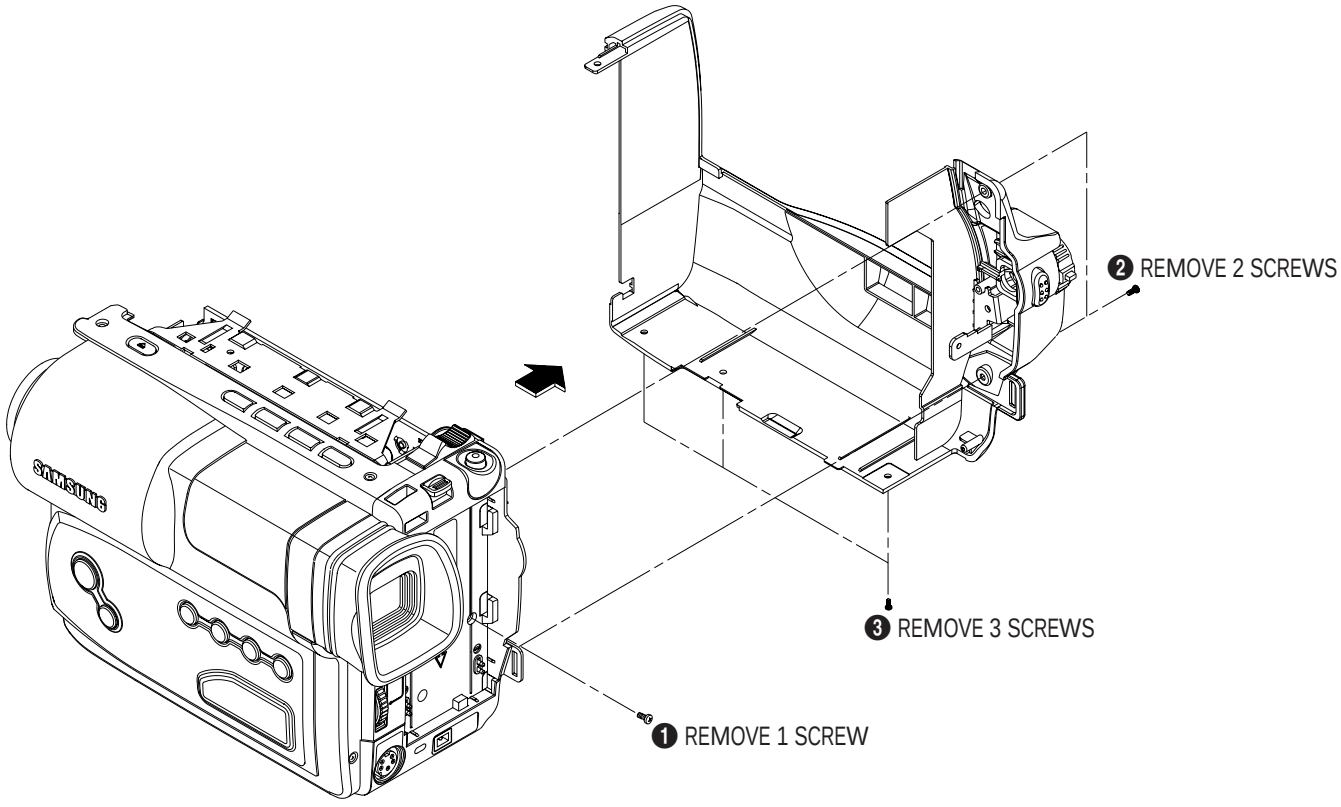


Fig. 2-4 Ass'y Right Removal

## 2-1-5 Ass'y Left Removal

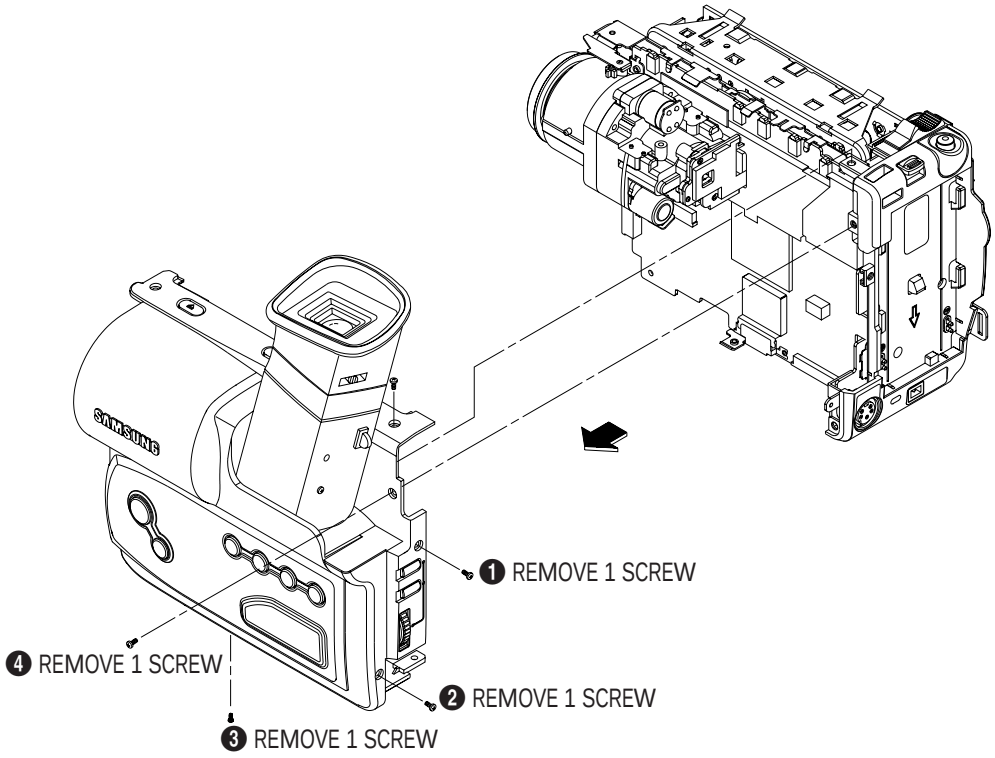


Fig. 2-5 Ass'y Left Removal

## 2-1-6 Ass'y CVF Removal

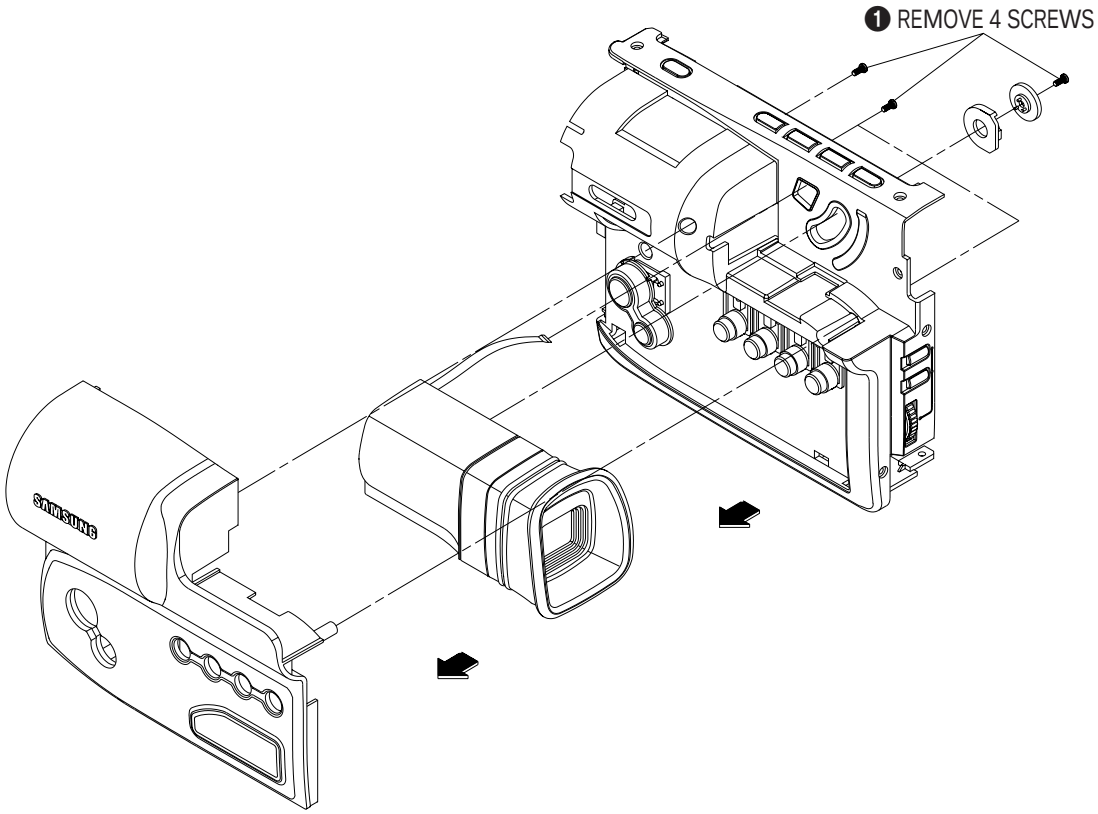


Fig. 2-6 Ass'y CVF Removal

## 2-1-7 Ass'y Rear Removal

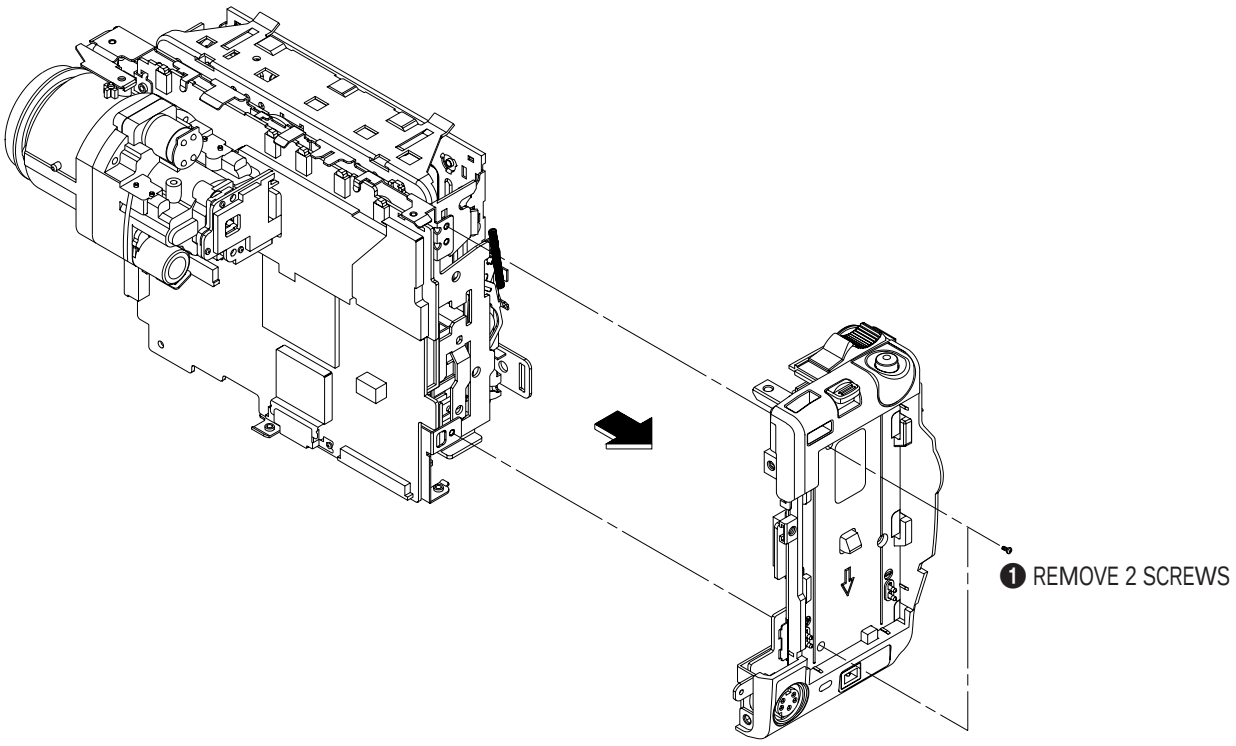


Fig. 2-7 Ass'y Rear Removal

## 2-1-8 Ass'y Deck Removal

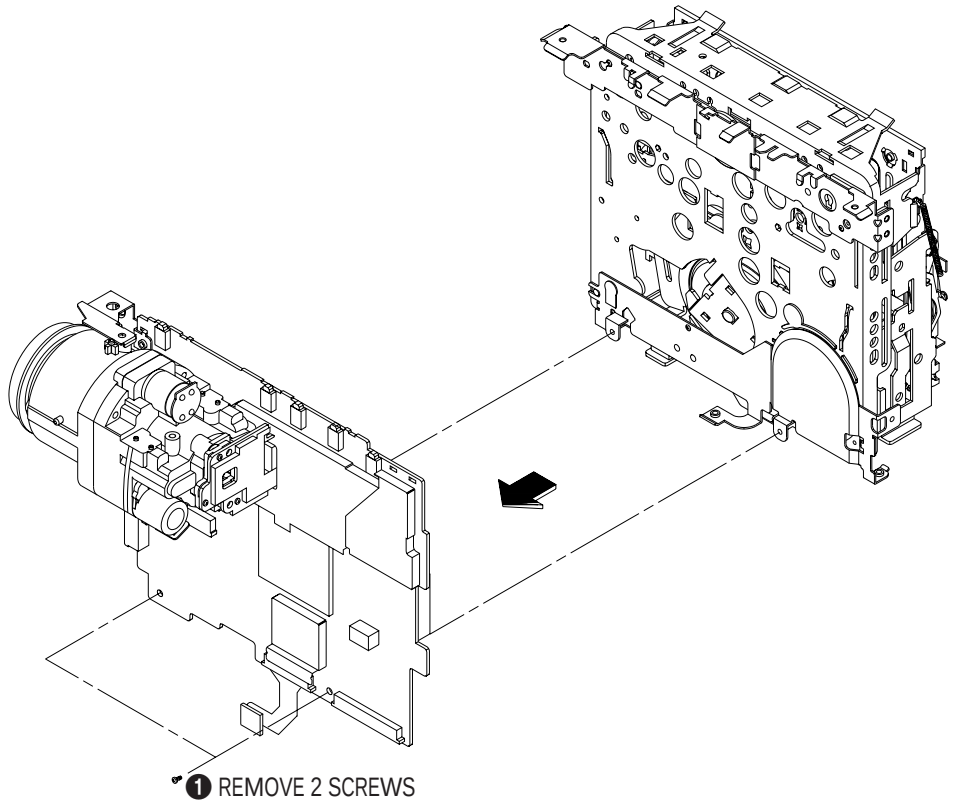


Fig. 2-8 Ass'y Deck Removal

## 2-1-9 Ass'y Lens Removal

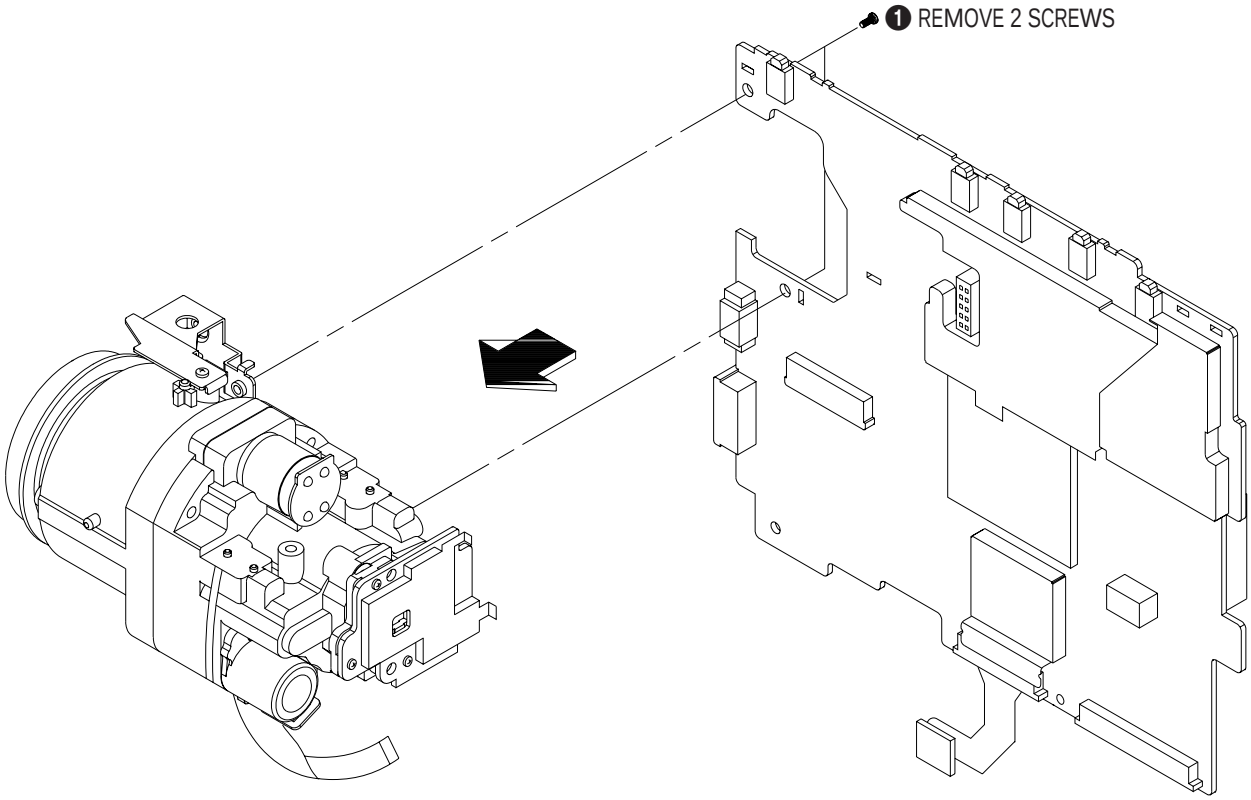


Fig. 2-9 Ass'y Lens Removal

# 2-2 Deck

## 2-2-1 How to Load and Unload (Setting Mechanical Mode)

1. Set the power-supply output to approximately 3V.
2. Choose the polarity depending on whether loading or unloading. (See Table 2-1)
3. Supply the voltage to the Motor Loading.

Table 2-1

| Drum side | Opposite side | Movement of chassis |
|---|---|---|
| + | – | Loading |
| – | + | Unloading |

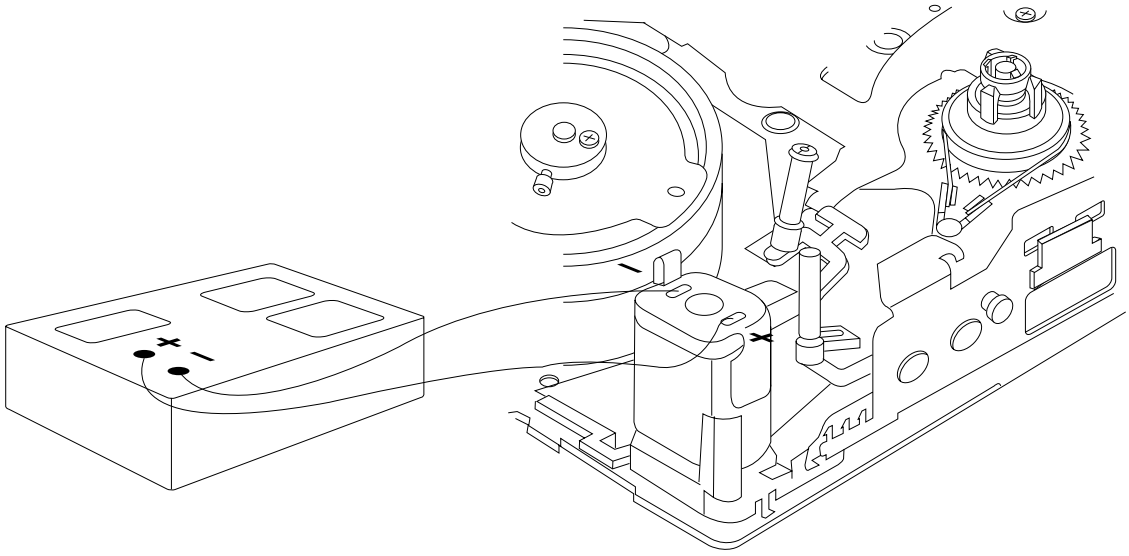

Fig. 2-10 Loading and Unloading

## 2-2-2 Housing Ass'y

2-2-2 (A) Disassembly

To disassembly the Housing Assembly :
1. Press the lever (see arrow, figure "A"). Turn the Lever Lock ❶ in the direction of arrow "B".
2. Unlock the hook of the Roller Sub ❷ and then separate the Lever ❸ from the Sub Deck.
3. Separate the Arm L ❹ and Arm R ❺ from the and lift the Housing Ass'y.

2-2-2 (B) Reassembly

1. Mount the Arm L ❹ and Arm R ❺.
2. Mount the Roller Sub ❷ to the Sub Deck. Then put the hook into the slot, while sliding it as shown in figure "B".

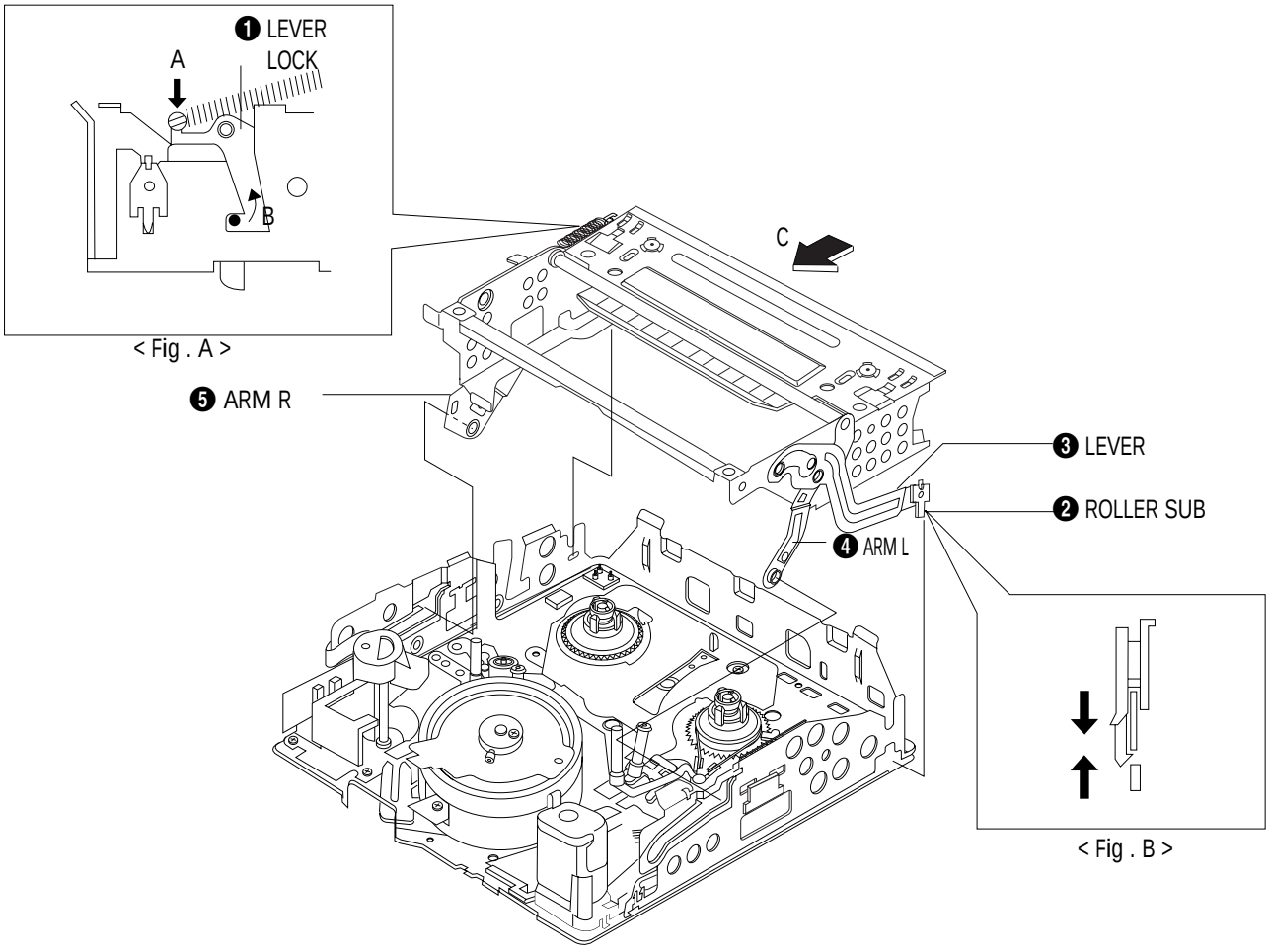


Fig. 2-11 Housing Ass'y

## 2-2-3 Drum Ass'y

2-2-3 (A) Disassembly

Note : Be extremely careful when removing the Drum ❸. Do not touch the Head tip ❹ during servicing.

1. Remove 3 screws ❷, then lift the Drum Ass'y ❸.

2-2-3 (B) Reassembly

1. Mount the Drum Ass'y ❸ to the Main Chassis ❶ and then secure with 3 screws ❷.

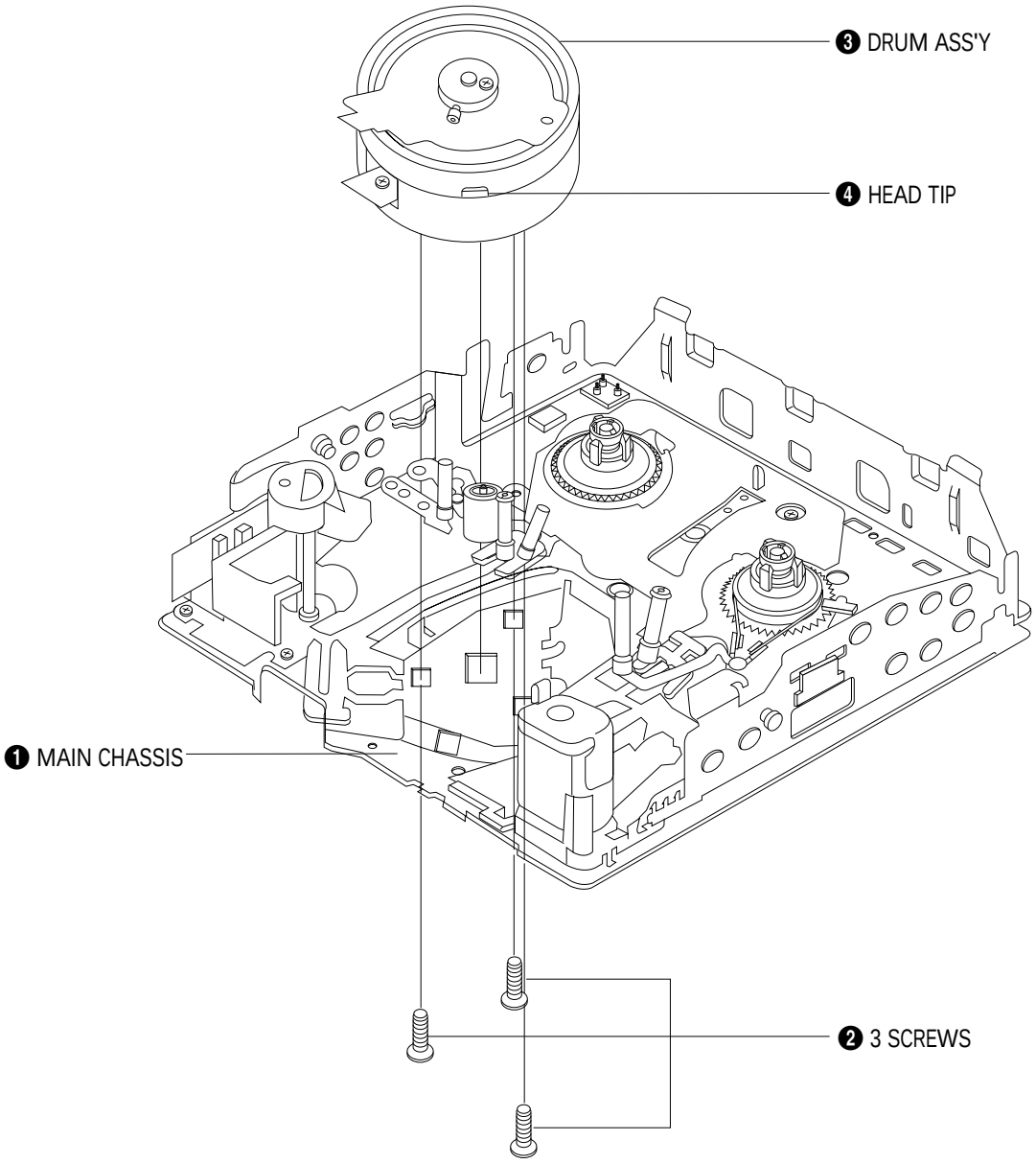


Fig. 2-12 Drum Ass'y

## 2-2-4 Idler Ass'y and Holder FPC

2-2-4 (A) Disassembly

1. Remove 2 screws ❶, then lift the Cover Reel Ass'y ❷ in the direction of arrow.
2. Lift the Idler Ass'y ❸ from the Pin ❹.
3. Remove 1 screw ❺, then lift the Holder FPC ❻.

2-2-4 (B) Reassembly

1. Fit the Idler Ass'y ❸ into the Pin ❹.
2. Mount the Cover Reel Ass'y ❷ to the Deck Ass'y in the reverse direction of arrow.
3. Secure with 2 screws ❶.
4. Mount the Holder FPC ❻ and then secure with 1 screw ❺.

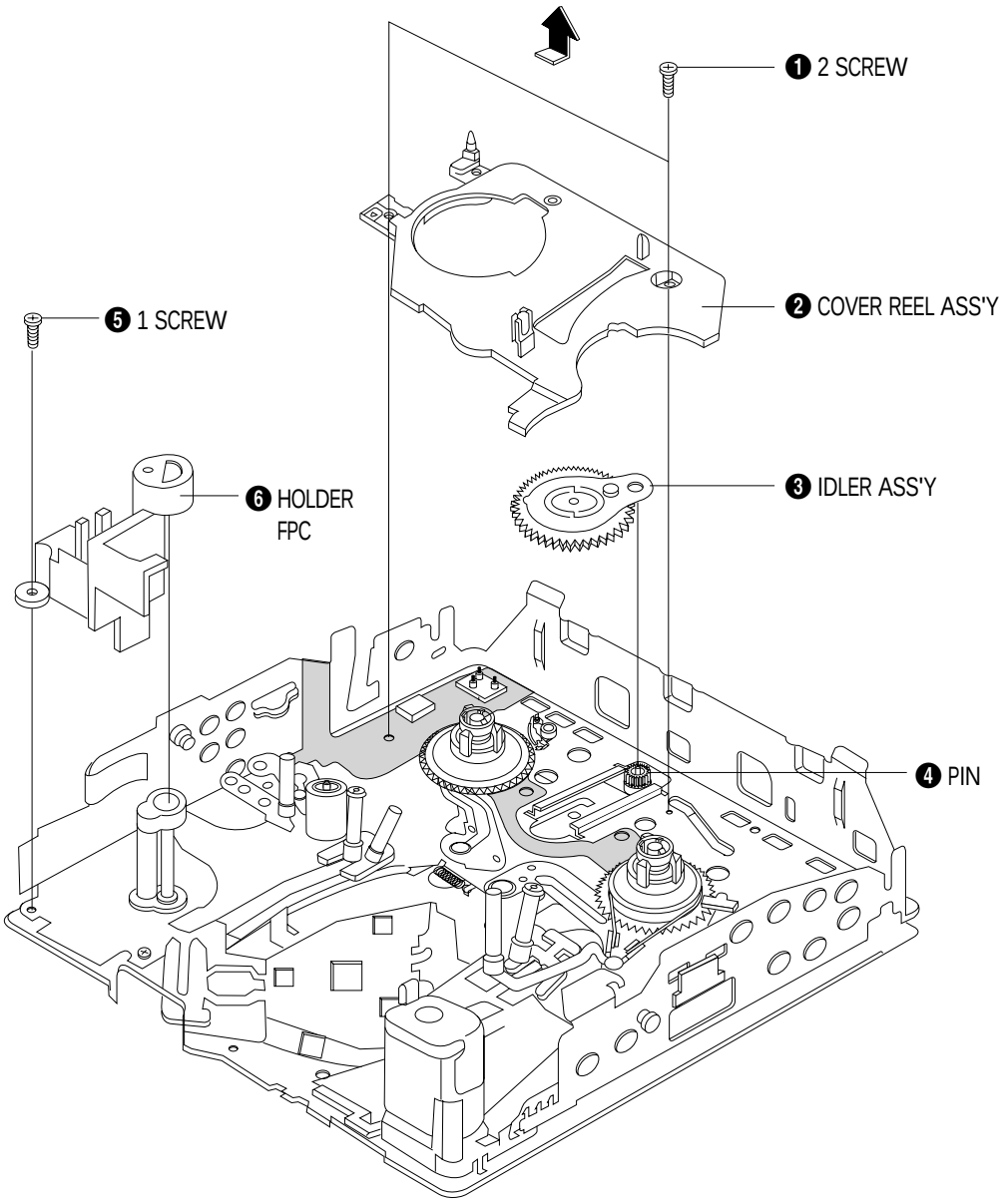


Fig. 2-13 Idler Ass'y and Holder FPC

## 2-2-5 Sub Chassis

2-2-5 (A) Disassembly

Note 1 : When disassembling, take care not to damage any other parts, Do not stain the roller and poles with oil or grease.
Note 2 : Always remove the Sub Deck Ass'y ❷ when Deck Ass'y is in unload mode.

1. Remove 2 screws ❶.
2. Lift the Sub Deck Ass'y ❷ from the Main Deck Ass'y ❸.

2-2-5 (B) Reassembly

1. Align the Main-Base Hole with the Lever-Cam Hole as shown in Fig. A.
2. Push the Pole-Base T 9 and the Pole-Base S 0 in the direction of arrows "A, B".
3. Push the Arm Tension Ass'y ❼ in the direction of arrow "C" and then push it downward.
4. Insert the 2 BOSS ❹ of Sub Deck Ass'y ❷ into the 2 Rails ❺ of Main Deck Ass'y ❸.
5. Fit the Sub Deck Ass'y ❷ to the Guide Pin 9 of Main Deck Ass'y ❸.
6. Install the Sub Deck Ass'y ❷ with 2 screws ❶ .

Note : After assembling the Sub Deck Ass'y ❷, make sure that the Sub Deck Ass'y loads and unloads cor-rectly by applying 3V to the Motor Loading.

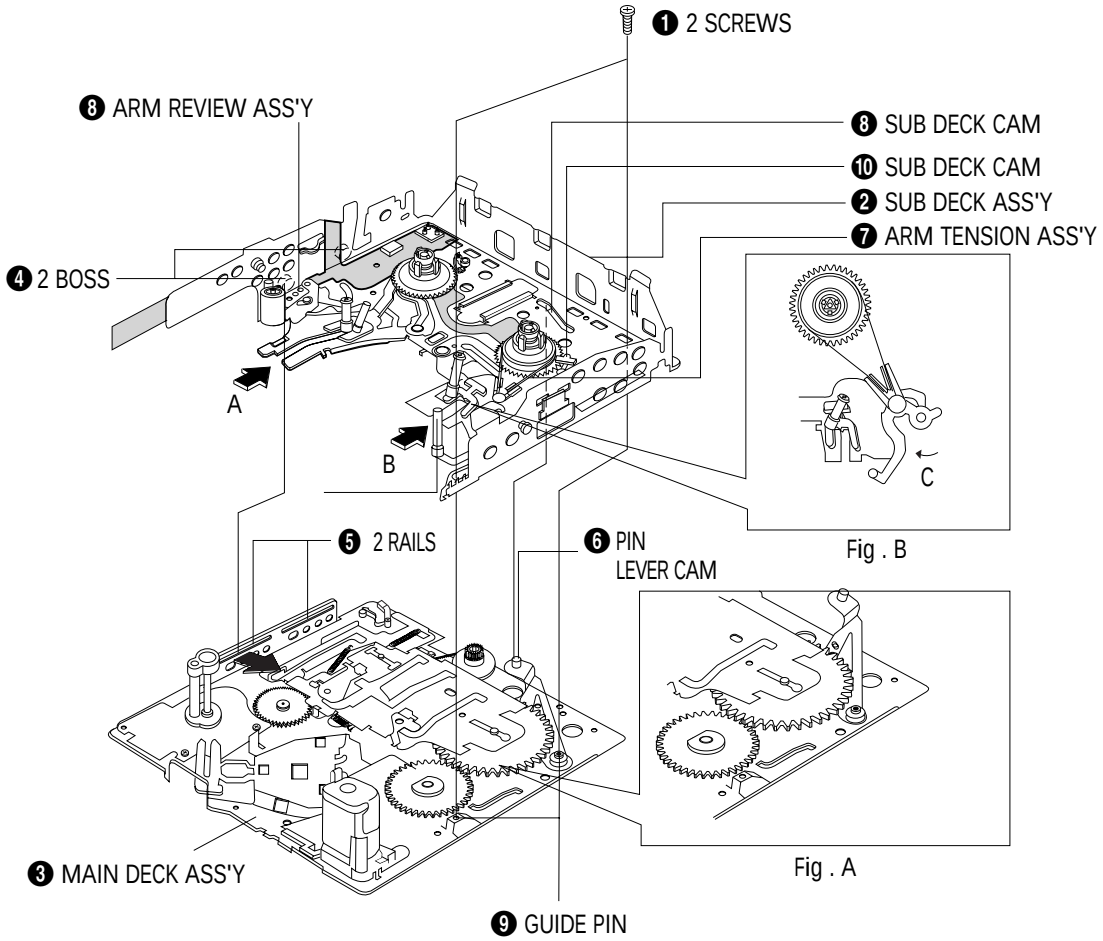


Fig. 2-14 Sub Chassis

## 2-2-6 Pole Base S, T

Note 1 : When assembling or disassembling, do not deform the Link Loading T ❹, S ❺.
Note 2 : Do not stain the roller or post.

2-2-6 (A) Disassembly

1. Move the Pole-Base S Ass'y ❶ toward arrow "A", then remove it from Link Loading S ❺ (arrow "B").
2. Push the Pole Base T Ass'y ❷ (arrow "D"). then remove it from Link Loading T ❹.

2-2-6 (B) Reassembly

1. Insert the Pole Base S Ass'y ❶ into Link Loading S ❺ : Turn it (reverse of arrow "B") and put it on the Sub Deck Ass'y ❸; then push it (reverse of arrow "A").
2. Insert the Pole-Base T Ass'y ❷ into the Link Loading T ❹ : Turn it (reverse of arrow "E") and put it on the Sub Deck Ass'y ❸; then push the Pole-Base T Ass'y ❷ (reverse of arrow "D").

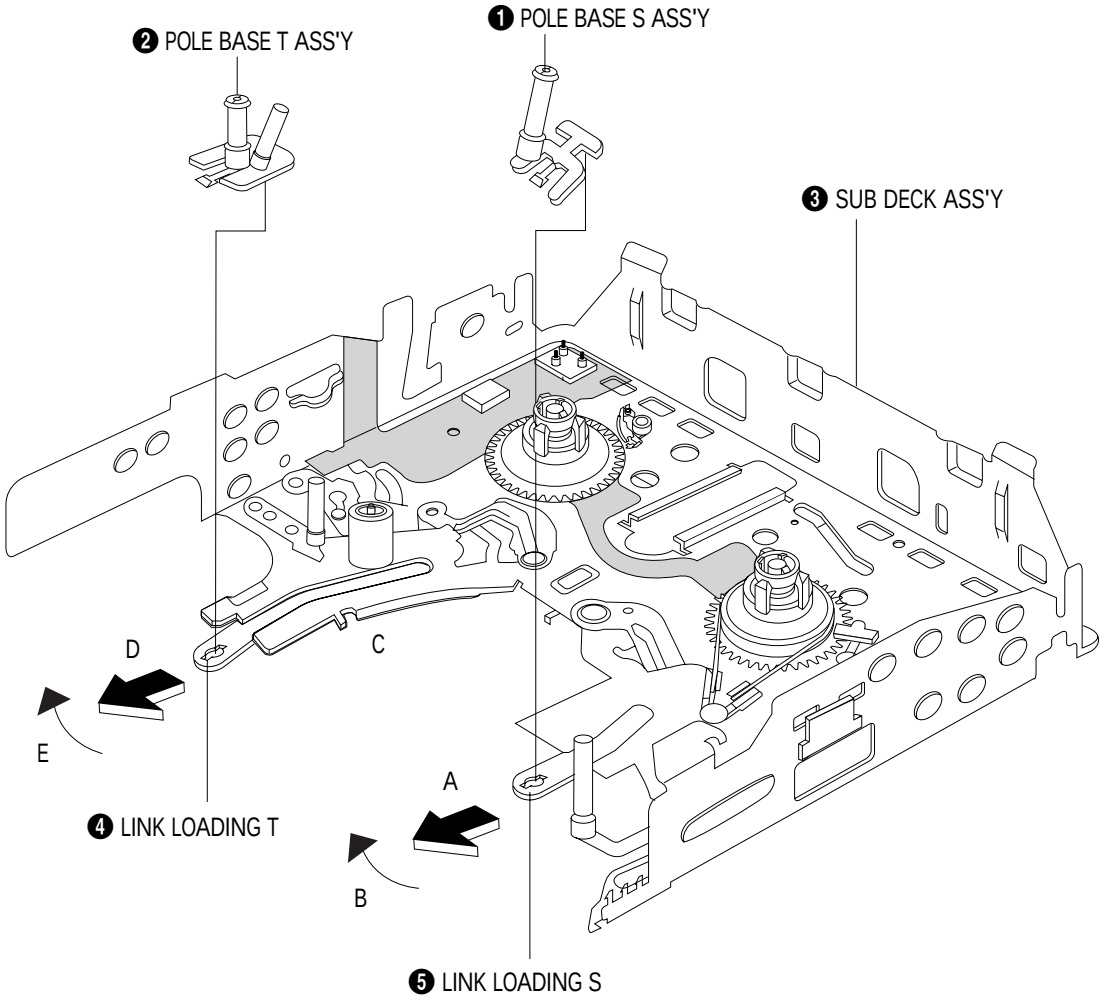


Fig. 2-15 Pole Base S, T

## 2-2-7 Arm Pinch Roller and Arm Review

Note : When disassembling or assembling, do not deform the parts. Do not stain the roller or poles.

2-2-7 (A) Disassembly

1. Turn the Arm Review Ass'y ❶ in the direction of arrow "B" and lift it to remove. (Fig. A)
2. Lift the Spring Arm Review Ass'y ❶ from the Sub Deck Hole ❸.
3. Push the Arm Pinch Roller Ass'y ❷ (arrow "C") and lift it to remove.

2-2-7 (B) Reassembly

1. Insert the Arm Pinch Roller Ass'y ❷ into the Bush ❹ and then push it in the reverse direction of arrow "C".
2. Insert the Arm Review Ass'y ❶ into the Bush ❺ and push it (reverse of arrow "B").

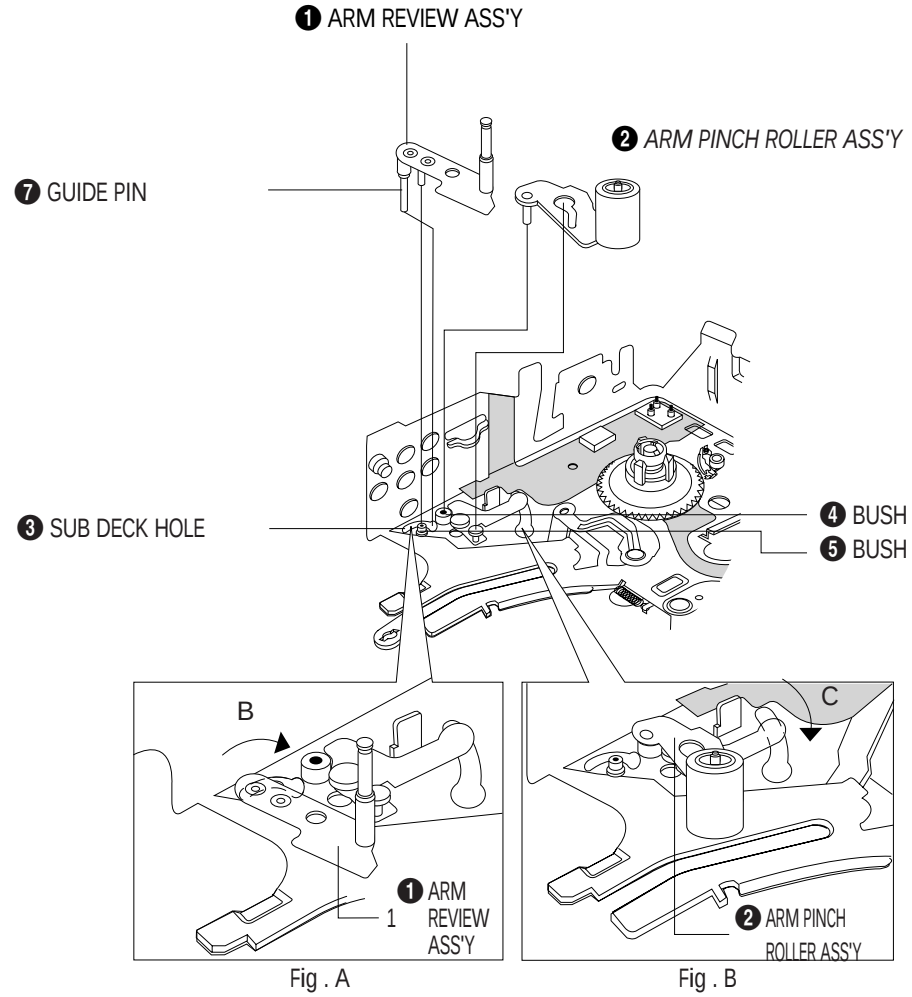


Fig. 2-16 Arm Pinch Roller and Arm Review

## 2-2-8 Arm Tension

2-2-8 (A) Disassembly

1. Push the Arm Tension Ass'y ❷ (arrow "A") and then remove the Spring Tension ❶ .
2. Push the Arm Tension Ass'y ❷ (arrow "A") to the end, and then lift it (reverse of arrow "A").

2-2-8 (B) Reassembly

1. Insert the Pin Arm Tension ❺ into the Sub-Deck Guide Hole ❻ .
2. Push the Arm Tension Ass'y ❷ (arrow "A") and install it.
3. Insert the Spring Tension ❶ into the Spring Hook ❹ .

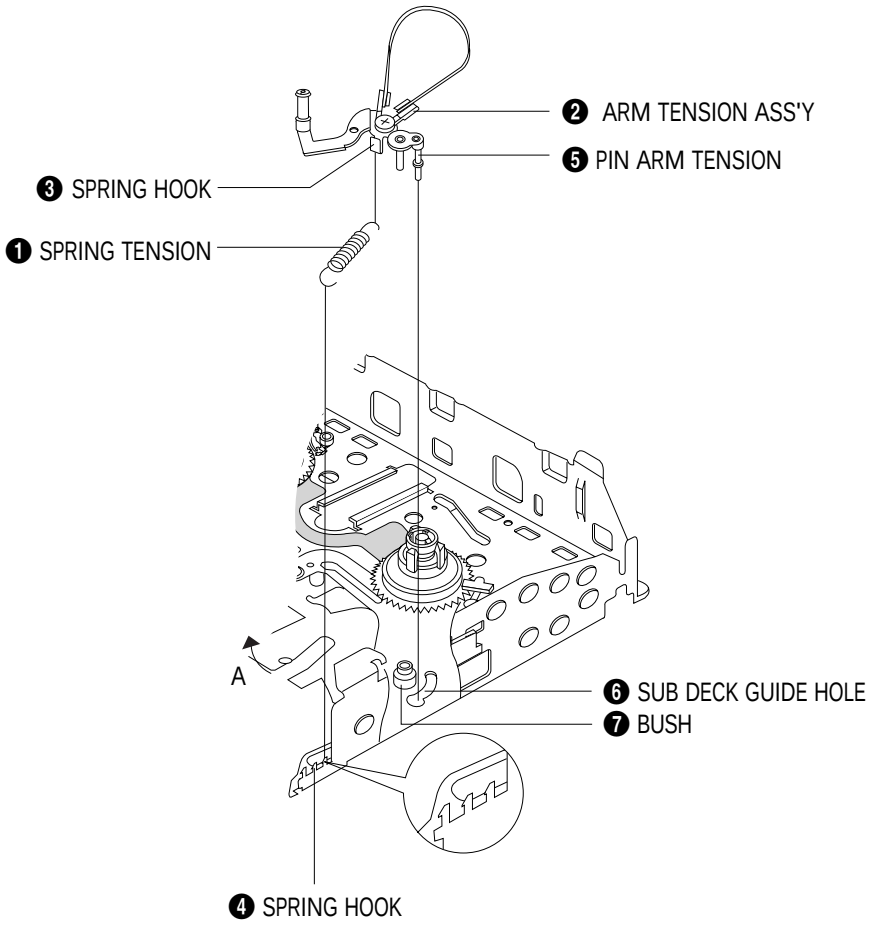


Fig. 2-17 Arm Tension

## 2-2-9 Reel (S, T), Brake Sub S Ass'y, Brake Soft T

2-2-9 (A) Disassembly

1. Remove the Spring Brake Sub S ❶ from the Spring Hook ❷ , ❸ .
2. Push Brake Sub S Ass'y ❺ (arrow "A") and lift the Reel S Ass'y ❹ .
3. Push Brake Sub S Ass'y ❺ (reverse of arrow "A") and then lift it.
4. Lift the Brake Soft T ❻ and Reel T Ass'y ❼.

2-2-9 (B) Reassembly

1. Mount the Reel T Ass'y ❼.
2. Mount the Brake Soft T ❻ .
3. Insert Brake Sub S Ass'y ❺, and push it (arrow "A"). Mount the Reel S Ass'y ❹ .
4. Hang the Spring Brake Sub S ❶ in the Spring Hook ❷ , ❸ .

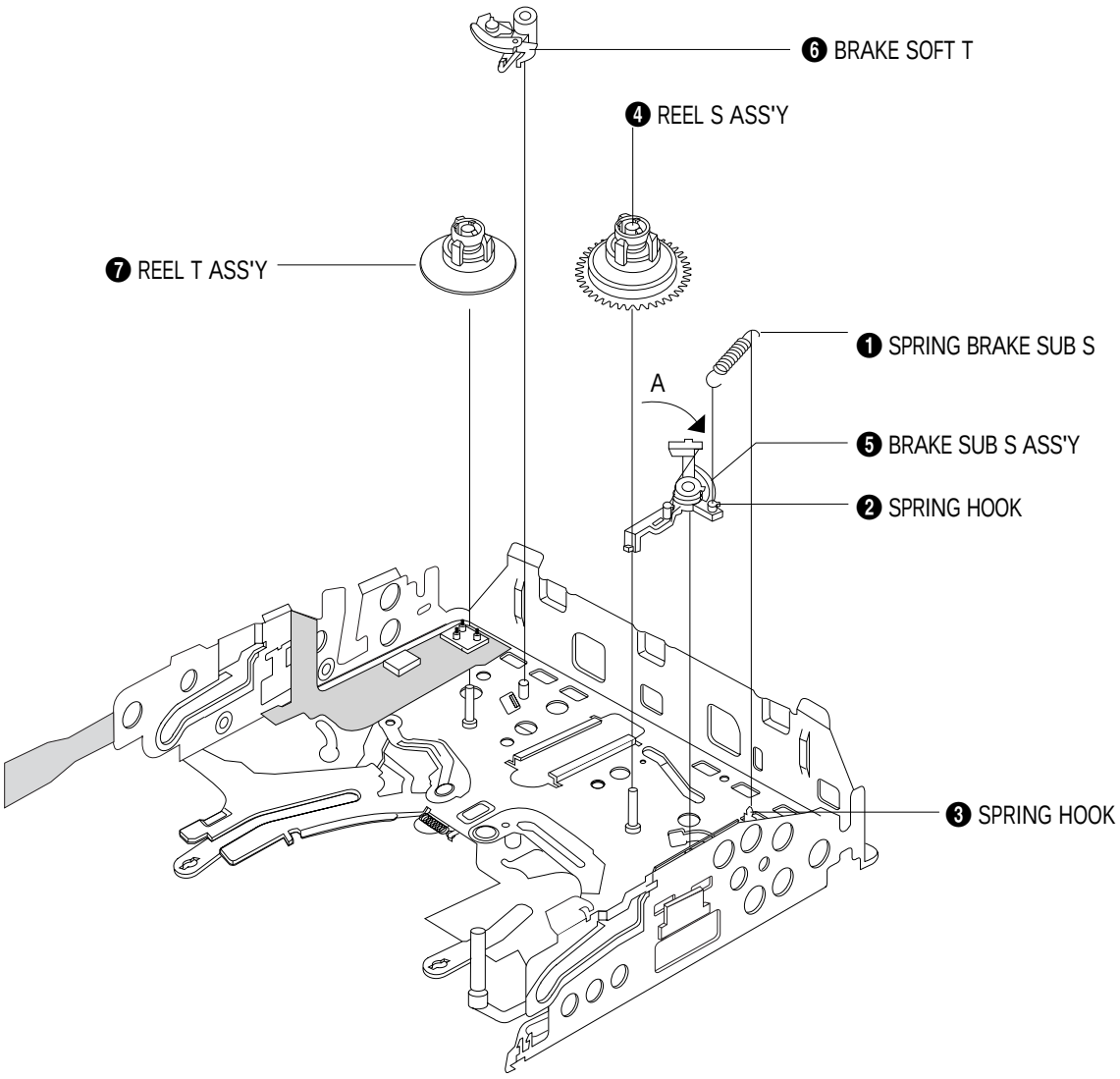


Fig. 2-18 Reel (S, T), Brake Sub S Ass'y, Brake Soft T

## 2-2-10 Motor Loading, Gear Loading

2-2-10 (A) Disassembly

1. Remove 2 screw ❶ and the 2 Hooks ❷.
2. Lift the Motor Loading Ass'y ❸ to remove.
3. Lift the Gear Loading ❻.

2-2-10 (B) Reassembly

1. Mount the Gear Loading ❻.
2. Mount the Motor Loading Ass'y ❸ so that the 1 Boss ❹ and 2 Hooks ❷ of the Motor-Loading Ass'y ❸ are inserted into the Main Base.
3. Secure 2 screw ❶ .

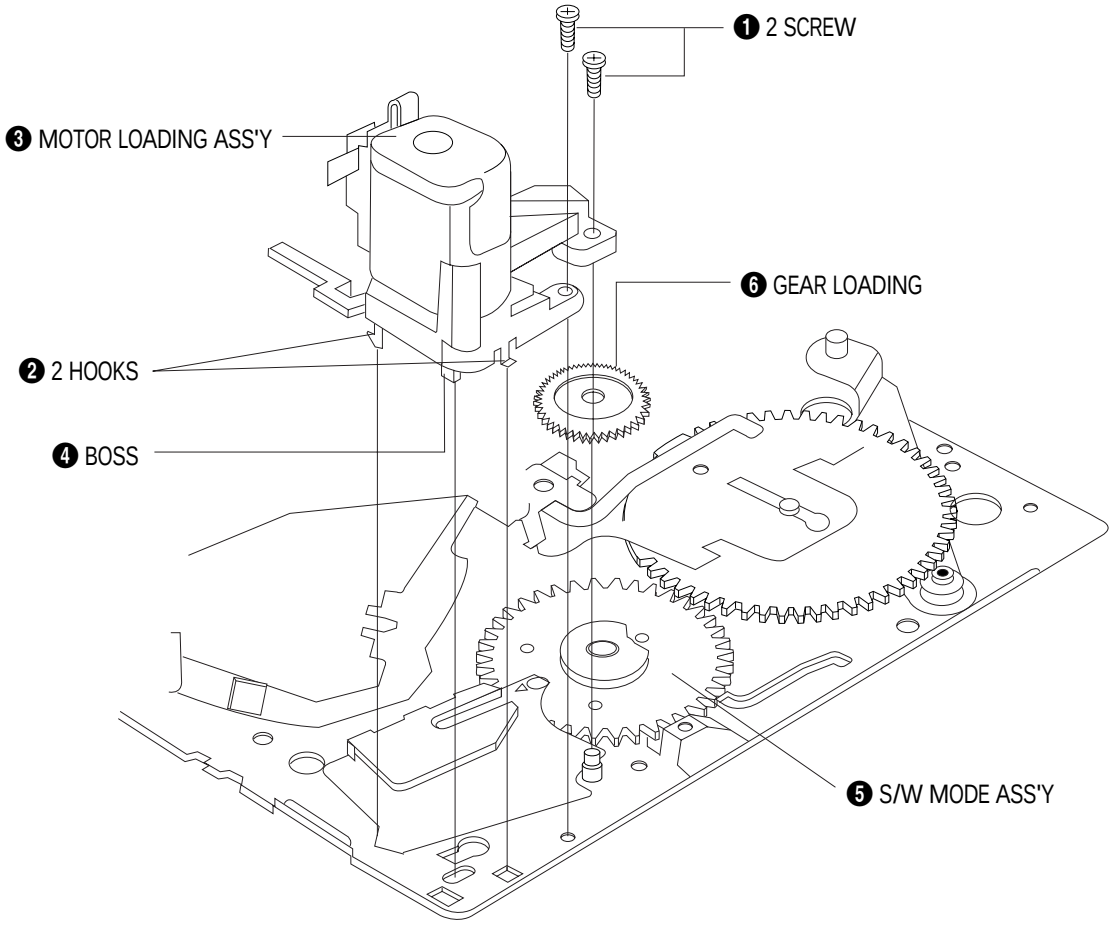


Fig. 2-19 Motor Loading, Gear Loading

## 2-2-11 Motor Capstan, Lever Eject, Slider Main

2-2-11 (A) Disassembly

1. Remove 2 screws ❶ and lift the Motor Capstan ❷.
2. Turn the Gear Cam Main ❺ (arrow “A”) to the end, Then turn the Lever Eject ❸ (arrow “B”) and lift it.
3. Turn the Gear Cam Main ❺ (reverse of arrow “A”).
4. Remove the Slider Main Ass’y ❹ . (arrow “C”)

2-2-11 (B) Reassembly

Reassemble in reverse order.

Note : When reassembling the Gear Cam Main ❺, Align the timing point of the Gear Mode S/W. (See Fig. A)

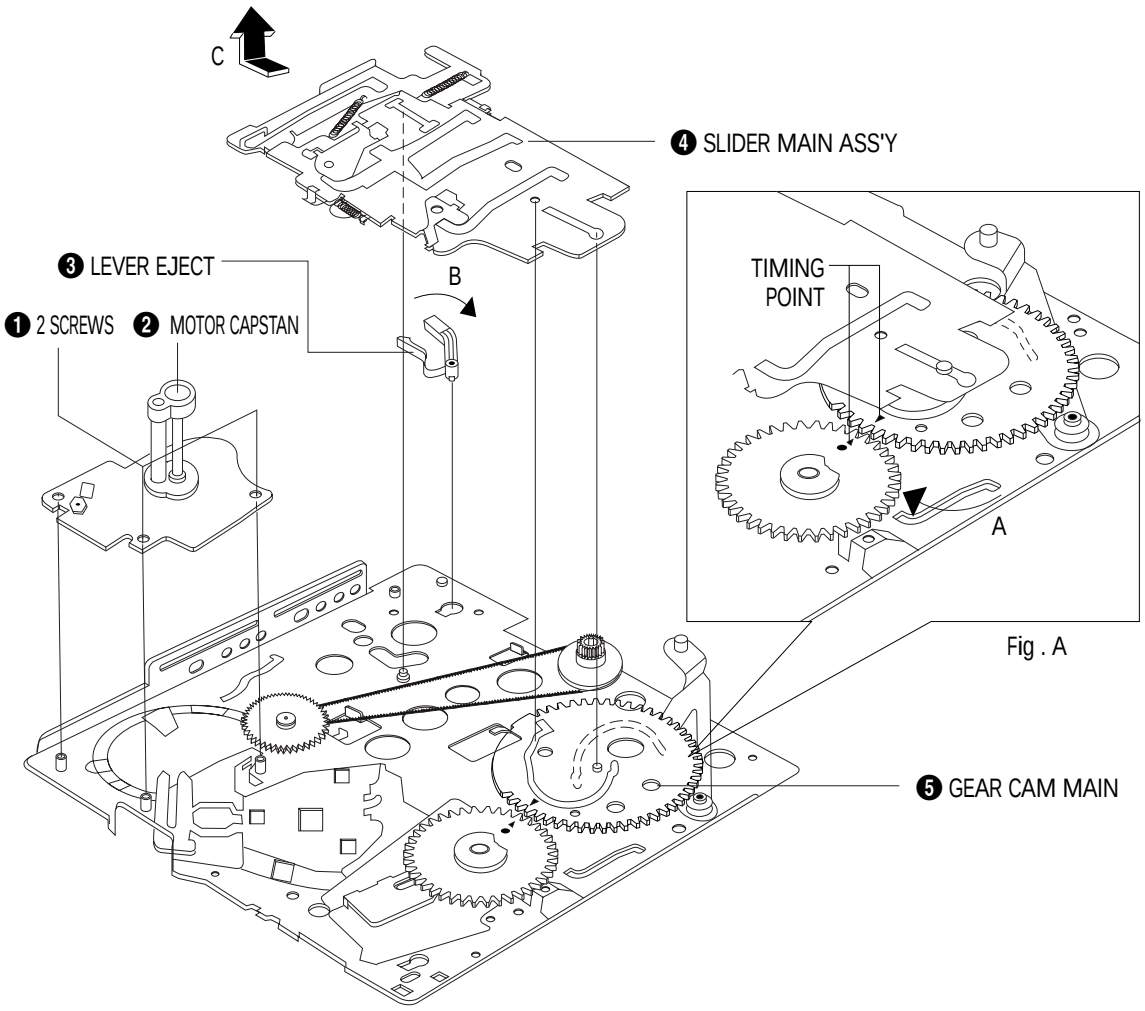


Fig. 2-20 Motor Capstan, Lever Eject, Slider Main

## 2-2-12 Gear Capstan, Gear Pulley Ass'y, Belt Timing, Gear Cam Main, Lever Cam

2-2-12 (A) Disassembly

1. Remove the Washer Slit ❶ . Then lift the Gear Capstan ❷ .
2. Remove the Belt Timing ❸ . Then lift the Gear Pulley Ass'y ❹ .
3. Lift the Gear Cam Main ❺ and the Lever Cam ❻.

Note : When reassembling the Gear Cam Main 5, Align the timing point of the Gear Mode S/W. (See Fig. A)

2-2-12 (B) Reassembly

1. Mount the Gear Pulley Ass'y ❹ on the main base. Then hang the Belt Timing ❸ to the Gear Pulley Ass'y ❹.
2. Mount the Gear Capstan ❷ so that the Belt Timing ❸ is hung to the Gear Capstan ❷.
3. Install the Washer Slit ❶.
4. Insert the Lever Cam ❻ into the Pin ❼.
5. Align the hole of the Lever Cam ❻ with the Timing hole "A" of the Main Base .
6. Align the hole of the Gear Cam Main ❺ with the Timing hole "B" of the Main Base. Then mount the Gear Cam Main ❺ .

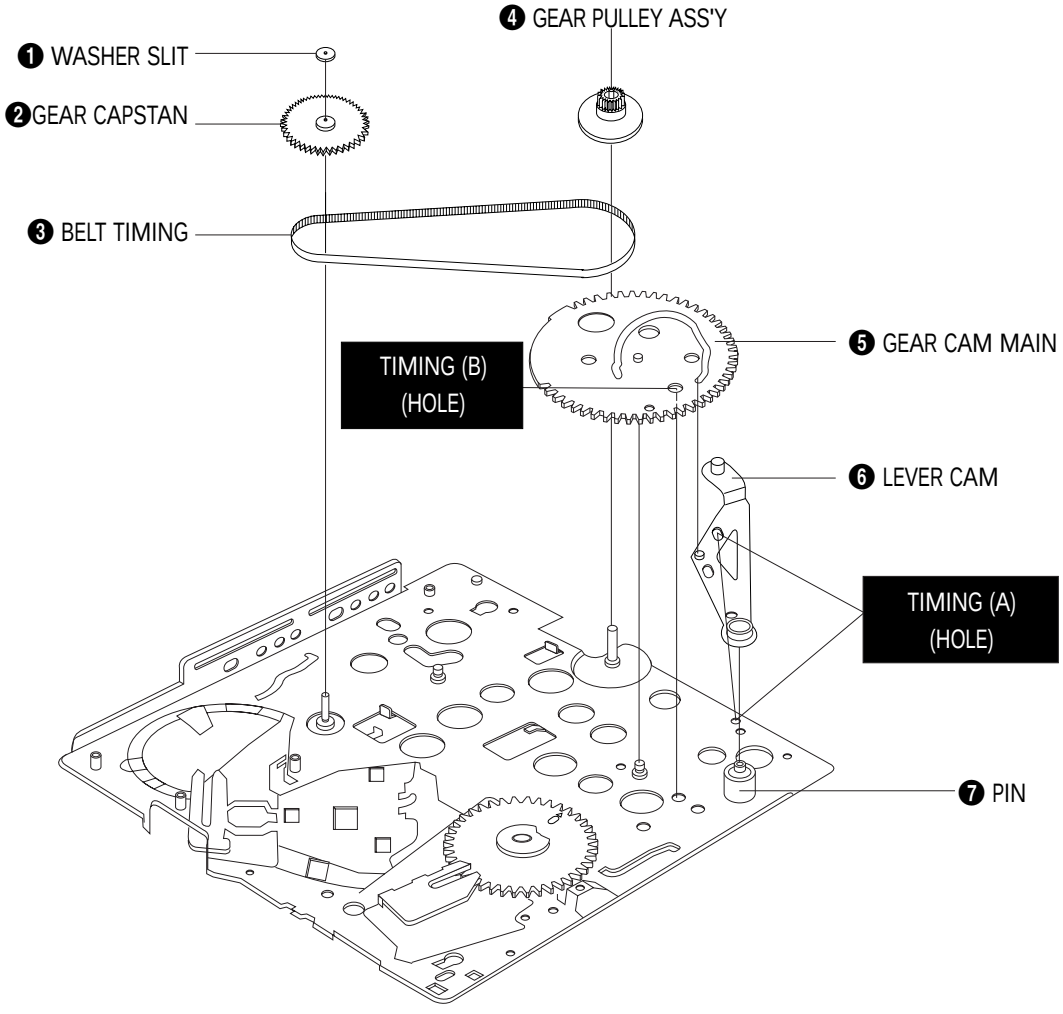


Fig. 2-21 Gear Capstan, Gear Pulley Ass'y, Belt Timing, Gear Cam Main, Lever Cam

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